PHYS 2520 Student Centred Learning II

(2026-27 1st term)

1. Course description

The course provides student-centred learning experience in a small-group setting. Students are required to study physics problems on selected topics relevant to introductory physics courses, present the solutions in class, and engage in discussion with classmates and the instructor. Emphasis is put on skills in self-study, problem solving, and especially presentation and communication skills.

2. Group teachers

Group	Teacher	Office	Email	Telephone
J	LAN Tian	SC G6	tlan@cuhk.edu.hk	3943-6368
K	WANG Yi	SC 208	yiwang@cuhk.edu.hk	3943-6355
L	LI Hua Bai	SC 305	hbli@cuhk.edu.hk	3943-1118
M	YAN Yangqian	SC G9	yqyan@cuhk.edu.hk	3943-6396

3. Teaching assistant

Name	Office	Email	Consultation hours
WANG Haoze	SC 315 (21T)	1155218032@link.cuhk.edu.hk	Tue 10:30am – 12:15pm

4. Learning outcomes

- Capabilities of solving physics problems and/or studying selected topics in physics, and presenting the results orally and in written format.
- Presentation skills: clear, concise and logical presentation.
- Enlightening and fruitful discussion with the teacher and classmates, active but non-monopolizing participation.
- Understanding physics principles and their applications through solving problems and self-study.
- Accuracy and presentation of written work.
- Time management skills: Punctual and complete attendence, good time management in presentation.

5. Course website

(CUHK Blackboard: https://www.edtech.cuhk.edu.hk/lms-blackboard-students)

Problem sets will be uploaded to Blackboard one week before the due date. For instance, Problem set 1 (Due date: 25 Sep) will be uploaded on 18 Sep. See the schedule below for more information.

6. Things to do before and in class

- Submit your homework (pdf) to Blackboard before class at 10:30am. Typing is not necessary. Late submission is *not* accepted unless you have a legitimate reason approved by your teacher (e.g., medical leave).
- At the beginning of each class, sign the attendance sheet.
- Present the solutions to the problems and/or listen to others' presentation during class. Discuss with the teacher and classmates on the problems. You are *not* allowed to amend your submitted work during class.

7. Assessment scheme

- 75% based on your presentation and participation in class.
- 25% based on your written work graded by TAs.
- Your final grade will be lowered by one sub-grade (e.g. A- to B+) for each absence without acceptable justification. **Your grade will be F for three or more such absences**.
- 15mins late for class without acceptable justification is considered as an absence.

8. Schedule (Friday 10:30am-11:15am)

Sep 11	Sep 18	Sep 25	Oct 2	Oct 9	Oct 16	Oct 23	Oct 30	Nov 6	Nov 13	Nov 20	Nov 27	Dec 4
Consultation	Departmental assembly (SC G25)	Problem set 1	Problem set 2	Departmental assmebly (SC G26)	Problem set 3	Problem set 4	Departmental assembly (SC G25)	Problem set 5	Problem set 6	Departmental assembly (SC G25)	Problem set 7	Problem set 8

9. Departmental assembly (Venue: SC G25/SC G26)

On the dates marked as "Departmental assembly" in the above schedule, please attend the event at SC G25 (Science Center North Block, Ground Floor, Rm G25) on 18 Sep, 30 Oct, and 20 Nov. For the event on 9 Oct, please attend it at SC G26. The attendance requirement follows the same rules as those listed in the assessment scheme above.

10. Prohibit all use of AI tools

Students are not allowed to use any AI tools in any kind of learning activity or assessment in this course.

11. University policy on academic honesty

Attention is drawn to University policy and regulations on honesty in academic work, and to the disciplinary guidelines and procedures applicable to breaches of such policy and regulations. Details can be found at http://www.cuhk.edu.hk/policy/academichonesty/